Engineering and Mining Journal

INDEX

Volume 137

JANUARY TO DECEMBER

1936

THE general index to this volume is preceded by a list of the editorials published in the volume, and is followed by an index of authors. In the general index editorials are desoted by the letter "e" and news items by the letter "n." Following is a list of the pages included in the numbers of the volume by date:

January ..... 1 to 52
February ..... 53 to 116
March ..... 117 to 168
April ..... 169 to 220
May ..... 221 to 272
June ..... 273 to 324
July ..... 325 to 376
August ..... 377 to 440
September ..... 441 to 492
October ..... 493 to 544
November ..... 545 to 596
December ..... 597 to 648

Editorials:

Accrediting engineering schools..... 325
Aid to prospectors..... 170
Aluminum takes a bow..... 118
Coal control unconstitutional..... 273
Coating metals with aluminum..... 2
Detachable bits demonstrate economy in comparative tests..... 1
Exemption from assessment work becoming a vested right..... 221
Fantastic bait for suckers..... *598
Functions of the American Mining Congress 545
Industrial conference fails to function. 2
It didn't make sense..... 273
John Hays Hammond 326
Let's end the silicosis racket..... 117
Manganese research makes progress.... 493
Midsummer madness in the platinum market 494
Mining outlook 53
Modernizing the patent system..... 118
Motors and highways supersede railroads 274
Politics and business..... 597
Rand's jubilee 326
Reducing the dust hazard..... 169
Revival of consumption of non-ferrous metals 441
Riddle of silver..... 1
Safety over Miami..... 170
Salutations to the Canadian Institute.. 169
SEC proposed new exemptions for mining companies 442
Silicosis surcharge in California..... 442
South of the Rio Grande..... 377
Speaking of taxes..... 221
Speaking of the distribution of wealth. 494
Tailings disposal and stream pollution. 546
Tax muddle 274
Toward a better engineering profession. 546
Wise procedure in patent suit..... 170
With reference to silver..... 598

GENERAL INDEX

A

Abe Lincoln n480
Aberfoyle Tin n41
Accidents:
Manhattan City Copper accident..... n475
Nova Scotia mine cave-in gets spotlight 254
Ada Bell n480
Admiralty n150, n207
Aetna n33
Africa—Metal production increasing. G. L. Walker *79
Agnew n633
Aguilar n207
Ahmeek n157
Air conditioning—Bureau of Mines studying air conditioning of mines..... 107
Ajax n480
Aktiebolaget n210
Alabama n357
Aladen Malartic n154
Alaska n200
Alaska—Tractors speed placer development in Alaska *507
Alaska Juneau—Self-dumping barges for waste disposal *450
Alba-Neck City n529
Albatross Mining n202
Albert n628
Aldermac n482
Alice n258
Aloha Central Gold..... n311
Alstead n365
Alta United n356
Altai Mountains of Soviet Russia show various ores. Andrew Meyer & Edith Meyer ..... *275; pt. 2 *348; pt. 3 *468; pt. 4 *515
Aluminum—Fiftieth anniversary of the discovery of aluminum e118
Why high grade ores are used for aluminum manufacture 460
Aluminum alloys used in mining equipment. R. S. Merritt *195
Aluminum plate e2
Ambassador Gold n475
American Eagle n480

American Institute of Mining & Metallurgical Engineers:

New York convention..... 147
Program for meeting 110
American Kirkland Gold..... n32
American Machine & Metals..... n635
American Metal n201

American Mining Congress:

Functions of the Congress..... e545
Denver congress 575
New York meeting..... 111
American Smelting & Refining..... n153, n199, n207, n425, n479, n530, n531, n582, n584, n586, n634
Avalos smelter, near Chihuahua, output. A. H. Hubbell..... *124
American Zinc Institute—St. Louis meeting n252
Amparo n313
Anaconda Copper n201, n629, n634, n635
Car coupling *615
Ancor n311
Angangueo—Lead silver mining. A. H. Hubbell *178
Anglo American Corp. of South Africa.. n315
Annie Laurie n33, n201
Antamok Goldfields n156, n474
Antelope Creek Dredging..... n425
Antimony—Chart of world production.. 63
Antique Consolidated n475
Apex Standard n306, n635
Arapahoe n531
Arcadian Consolidated n157
Arcturus n305
Argonaut n32, n108
Argosy n261
Arizona Comstock n205, n358, n526, n630
Comstock still produces. J. B. Huttl.. *465
Arizona Consolidated Copper..... n148
Arizona Magma n32, n310
Arizona Molybdenum n*356
Armour n365
Arrowhead Development n358
Arroya Seco Dreding..... n200
Arthur n479
Asarco n363, n530
Asbestos — Preparing asbestos for market ..... Mar. 168-I
Ash Peak n259
Ashanti Goldfields n158, n315, n431, n534
Ashloo Gold n312, n432
Assaying—Sampling plant construction.. *230
To determine the niter for the sulphide ore assay. R. V. Lundquist..... 503
Associated Pulp & Paper Mills, Ltd..... 311
Athona n154, n483
Atlas n635
Atlasta n148
Auburn-Chicago n*305
Aurora n309
Austin n582
Austral Malay Tin..... n208
Australia — Government advances gold mining funds n311
Gold output highest in years. P. G. Tait 78
Australian Magnesium n208
Azarco n39
Azurite n37, n361, n635

B

B. C. Nickel..... n482, n636
Bagdad Copper n109, n259, n426, 476
Baguio Gold n156
Balatoc n314
Ballard n149
Balsas Mining Co..... n530
Balt Butte Gold..... n635
Balt Mt. n629
Banket Reef n158
Bankfield Gold — Recent developments. A. H. Hubbell *571
Banner n426
Barber & St. Jeor..... n525
Barges, self-dumping, for waste disposal *450
Barrytown Gold n208, n365
Basic Gold & Silver..... n263
Basin n634
Bayonne n433, n531
Beauregards n149
Beaver Gold & Copper..... n356
Beebe Gold — Sampling plant construction *230
Beehive n148, n583
Belleterre n365
Belmont Osborn n305, n474
Belshazzer n361
Bendelari n207
Bendigo n366
Benguet Consolidated n157, n*261, n314, n315, n473
Bennett n305
Bennie n581
Berlin n630
Berry conference n36, e2
Bibiani n158, n534
Bicol Gold n314, n474
Bidgood n154, 43
Big Bell n208, n263, n366
Big Blue n149
Big Creek n206
Big Elk n310
Big Missouri n262, n530
Big Wedge Gold..... n108, n156, n314
Bi-Metal n476
Bingham n635
Bird Dog n529, n581, n633
Bismarck Range Gold Exploration..... n533
Black Eagle n207
Blackhawk n480
Black Mammoth n34, n358

e editorial; n news; c comment and criticism

Blasting:
Drilling the round. R. E. Roberts.... *295; pt. 2 *345; pt. 3 *462; pt. 4...*508
From gunpowder to modern dynamite H. C. Chellson.....*231
Blake n628
Blue Bird n100, n424
Blue Eagle n576
Blue John n259
Blue Moxie n363, n480
Blue Ribbon n310
Bluestone n357
Book Reviews and Digests:
Caetani memorial 319
Canadian mines handbook..... 162
Copper resources of the world..... 162
Corrosion resistance of metals and alloys. McKay & Worthington..... 537
Cyanidation and concentration of gold silver ores. J. V. N. Door..... 642
Elements of diesel engineering. Orville Adams 266
English in business and engineering. B. W. Stevenson and others..... 436
Flotation plant practice. Philip Rabone 590
Handbook of engineering fundamentals. O. W. Eshbach..... 537
Legal and ethical phases of engineering. Harding & Canfield..... 436
Mine cooling by devaporized compressed air. S. E. T. Ewing..... 214
Mineral industry, 1935..... 590
Mineralogy. Kraus and others..... 436
Minerals yearbook 1936. Kiessling & Hughes 537
Mining handbook of Australia..... 162
Mining royalties and rents in the British Empire 319
Our silver debacle. R. B. Westfield... 214
Professional engineer. E. L. Brown..... 537
Secondary copper. P. E. Barbour..... 370
Social security in the U. S. P. H. Douglas 162
Spectrum analysis. L. M. Strock..... 590
Study of metals and alloys. Leland Van Wert 266
Treasures in the earth. E. F. Fitzhugh, Jr. 319
Bor n431
Boriana n426, n634
Boulder n258, n583, n628
Braden Copper n205
Brakpan n484
Bralorne.....n155, n262, n364, n482, n530
Bray n475
Brisels Consolidated n366
Brisels n533
Bristol n357
Britannia n209
Britannia Beach n636
British Columbia—Production in 1935.....103
Broken Hill n533
Broken Hill Associated Smelters Pty.— "Largest in the world." A. F. Evans.c369
Broken Hill Pty.....n41, n263, n311, n533
Broken Hill South.....n638
Brooklyn n153
Bruce n633
Brutis n259
Buck & Charley.....n150
Buckhorn n309, n429
Buffalo n628
Buffalo-Ankerite n364
Bullard Gold n259
Bullfrog n529
Bullion Canyon n107
Bullion Placers n364
Bulolo Gold Dredging.....n100
Bultfontein n210
Bunker Hill Arizona.....n109
Bunker Hill & Sullivan.....n104, n532, n629
Burma Corp. Ltd.....n103
Burma Malay Tin.....n208
Bushtick n210, n534
Bussieres n38
Butler Bros. n206

C

C.O.D. n628
Cabit n314, n474
Cable opening has shutter..... 509
Cable suspension *567
Cactus n200, n576
Cal Oro Dredging.....n474
Caliente Cyanide n34
California:
Hydraulic mining brought nearer by appropriation n628
Survey of mineral resources undertaken by California State Mining Board halted n33
Callahan Zinc-Lead n430, n532
Calumet & Hecla Consolidated.....n39, n104, n157, n207, n260, n309, n475, n531, n582, n633
Camarines Norte n156
Campana n199
Campbird n531
Canada:
Canadian mine purchasing..... 106
Production breaks all records. J. B. DeMille 75
Taxation of mines settled..... 312
Canadian Institute of Mining & Metallurgy—B. C. Division meets in Vancouver n584
Salutations to the Canadian Institute..e169
Vancouver meeting n38
Canadian Malartic n154, n261, n312
Cananea Consolidated Copper.....n101, n199
Canisteo n577
Non-clogging spray line.....*520
Canyon n629
Captain n150
Cardiff.....n107, n201, n356, n424, n525
Cardin Mining & Milling..... n37
Cardinal Gold n356
Drill steel tempering furnace.....*344
Cariboo Gold Quartz.....n154, n262, n313, n364, n432
Carnegie Bote—Gold silver ore mined near Zacatecas. A. H. Hubbell..... 188
Carper n259
Carshalton Mines n100, n208
Carson Hill n108, n149, n257, n357, n474
Castle Creek n634
Casualidad Syndicate n199
Cemetery n681
Central n157
Central Eureka n628
Central Manitoba n39, n102
Central Norseman Gold.....n208, n311, n533
Central Patricia n261
Central Porcupine n102
Cerro Colorado n199
Cerro de la Cruz—Parral's output. A. H. Hubbell *127
Certer n363
Chakwenga n40, n534
Champion Sillimanite n526
Charleston n577
Chester n361
Chief Consolidated.....n107, n153, n479, n635
China sells silver reserves to United States n304
Chino n205
Chiquita n257
Chisos n576
Chloride n260
Chrome ore imports.....n357
Chromium Mining & Smelting.....n102
Chromite—Chart of world production..... 63
Cia del Boleo.....n313
Cia Fundidora de Fierro Y Acero de Monterrey n584
Cia Metalurgica Mexicana.....n629
Cia Mexicana Exploradora de Minerales y Metales n363
Cia Mexicana Minera de Namiquipa.....n263
Cia Minera Asarco.....n530
Cia Minera Asarco—Lead refinery at Monterrey. A. H. Hubbell.....*238
Cia Minera Beneficiadora de Inde.....n263
Cia Minera Berilo, Oro y Plata de Mexico n101
Cia Minera de Calmalli.....n483
Cia Minera de Chontalpan y Anexas.... n199, n363
Cia Minera de Montecarlo y Anexas.... n363, n433
Cia Minera de Penoles—Lead smelting and refining. A. H. Hubbell.....*235
Torreon smelter. A. H. Hubbell.....*239
Cia Minera de Piedra Bola.....n313
Cia Minera de Promontorios.....n627
Cia Minera de San Francisco y Anexas..n157
Cia Minera de San Jose.....n483
Cia Minera Dos Carlos.....n363
Cia Minera "Dos Estrellas"..... n39
Cia Minera la Sultana.....n199
Cia Minera la Corteza.....n627
Cia Minera Mexicana de Namiquipa.....n313
Cia Minera Minas del Tajo.....n584
Cia Minera Minerva y Anexas.....n530
Cia Minera y Explotadora de Promontorio n39
Cia Minera y Metallurgical El Potosi....n363
Circle Gold & Silver.....n526
City Deep n484
Clark n108
Clayton Silver n258, n481
Clear Creek n258
Clermont n630
Cleveland-Cliffs Iron n365
Climax Molybdenum n34, n258, n309, n480
Clutha River Gold.....n208
Coahuila n150
Coal control unconstitutional.....e273
Coast Copper n636
Cocks Eldorado Gold.....n481
Coco Grove Placer Syndicate.....n156
Coeur d'Alene n155, n532
Colorado River placer mining tests.....n581
Colossal n578
Columbia Metal n310
Columbite sold to U S..... n41
Columbus Gold n201, n257, n357
Columbus-Rexall n356, n635
Comanche Gold Dredging.....n425, n*477
Combined Metals n357
Comet n634
Comite National du Kivu.....n586
Commerce Mining & Royalty.....n110
Commercial n578
Como.....n309, n358, n475, n526
Compagnie du Boleo.....n101
Compagnie Miniere de l'Urega.....n586
Compagnie Miniere des Grandes Lacs Africaine n586
Concentration:
Autogenous smelting of copper concentrates. T. E. Norman 499, pt. 2..... 562
Dunwoody uses a gasoline driven washing plant. L. C. Moore.....*194
Heavy fluid separation. F. J. Tolonen.. *91
Mining in Mexico today. A. H. Hubbell pt. 1 *119; pt. 2 *178; pt. 3.....*235
Nickel production in the Sudbury district. A. H. Hubbell.....*453
San Francisco Mines of Mexico treats comples ores. G. O. Deshler.....*397
Zinc cup test for cassiterite..... 299
Conejo Blanco n313
Confidence n474, n628
Congress n148, n476, n636
Connors & Utah.....n628
Consolidated African Selection Trust.....n315
Consolidated Chibougamau Goldfields.....n636
Consolidated Chollar Gould & Savage. Comstock still produces. J. B. Huttl.*465
Consolidated Feldspar n629
Consolidated Gold.....n41, n109, n154, n209, n313
Consolidated Gold Alluvials.....n531
Consolidated Mining & Smelting..... n102, n103, n154, n155, n262
Consolidated Virginia n257
Comstock still produces. J. B. Huttl..*465
Cooks Eldorado Gold Dredging.....n311
Copper:
Autogenous smelting of copper concentrates. T. E. Norman 499, pt. 2..... 562
Chart of world production..... 64
Granby Consolidated's mining problems in retrospect. C. M. Campbell.....*616
Nkana copper mining. Harrison & Mackay pt. 2..... *17
Peirce-Smith converted capacity under varying conditions. J. S. Stewart...*224
Production of copper in 1935. W. R. Ingalls 57
San Francisco Mines of Mexico treats comples ores. G. O. Deshler.....*397
San Luis Potosi, lead-copper smelting. A. H. Hubbell.....*183
Copper Creek—Gold and molybdenum from rehabilitated mines in Mammoth, Ariz. J. B. Huttl.....*286
Copper Mountain n584
Copper Queen:
New battery charging plug.....*618
Copper Queen n148, n310, n476, n524
Copper Range.....n104, n260, n362, n475, n531, n581, n633
Corby Lode n311
Cornucopia n109
Costs:
Budgetary control for gold-mining companies. J. M. Landow..... 14
Itogon filtration costs. D. F. Irvin....c161
Statistical picture of San Francisco Mines of Mines..... 380
Sulphide oremining at Fes Fresnillo. J. H. Ashley *279
What is the cost of mine development.. M. J. Elsing..... 245
Cox's Find n481
Creighton—Nickel production stepped up. A. H. Hubbell.....*453
Creole n356
Crescent n260
Cresson n480, n531
Cripple Creek n258, n531
New treatment plant for flotation, roasting and cyanidation. C. E. Tonry...*547
Oxygen deficiency underground. R. S. Moehlman *338
Cross Gold n480
Crown n484
Cuthnerts Misima Gold.....n100

D

D & C..... n37
D. C. & E.....n633
Daggafontein n484
Dagmar n581
Dale n206, n305
Dalmite n364
Dan Tucker n205, n257
Danube n305
Dauser n628
Davey n474
Dayton n429
Dayton Consolidated.....n34, n150, n582, n630
Comstock still produces. J. B. Huttl...*465
De Beers Consolidated n210
Demonstration n156, n315
Dentonia n103, n482
Dividend n262
Dixie Queen n109
Dolcoath n158
Dolly Varden n424
Dome n102, n209, n364
Caustic starch improves settlement of slime. C. W. Dowsett.....c161
Dona Anna magnesite. H. H. Taft.....*137
Donovan—Comstock still produces. J. B. Huttl *465
Dredge-digging-ladder bucket idler. C. M. Romanowitz *49
Dredging—Power-cable suspension *567
Drills and Drilling:
Detachable bits demonstrate economy in comparative tests e1
Detachable vs. forged bits: costs and performance *23
Drill steel tempering furnace *344
Drilling the round. R. E. Roberts *295; pt. 2 *345; pt. 3 *462; pt. 4 .....*508
Mirror on sharpener provides safety...*354
San Francisco Mines of Mexico—drill repair and bit sharpening shop. L. C. Overton *408
Duncan n111, n582
Dunmore n363
Dunwoody—Gasoline driven washing plant. L. C. Moore *194
Durban Roodepoort Deep n484
Dust—Collecting dust from rock drills....*163
X-ray analysis of mine dusts 347
Dutoitspan n210

E

Eagle n310
Eagle-Picher n110, n207, n362, n529

e editorial; n news; c comment and criticism

Eagle Shawmut n474
East African Goldfield.....n431, n637
East Mindanao n314, n473
East Park City n153
East Rand Pty n484
East Standard n257
East Tintic Consolidated n153
Eastern Exploration n582, n630
Eastern Nevada n582
Eastern Star n429
Eastslope n202
Economics—politics e597
Edye Pass n312
Edna & Irene.....n628
Eileen Alannah n431
El Boludo n363
El Carmen n313
El Oro n39
El Potosi—Premier producer of lead. A. H. Hubbell *119
El Rico n628
El Tiro n363, n584
El Triunfo n627
Eldorado n109, n154, n432
Eldorado Rover n582
Electrolytic Zinc n*100, n208, n311
Elephant Eagle n149
Elizabeth n628
Elkoro Mines Operating Co.—Gold-silver property reopened and reveals large tonnages by pay ore. Gail Martin....*555
Emerson n628
Emma n309, n356
Emma L. n628
Emperor n41, n311, n365, n481, n585
Empire Gold n629
Empire-Star n108, n200
Cooling coil reduces oil temperature in compressor crankcases *249
Empress n149, n257

Engineering:

Accrediting engineering schools e325
Curricula accredited by E.C.P.D. n583
San Francisco Mines of Mexico—engineering practices. H. G. Dudley.....*414
Engineering and Mining Journal—Historical Summary 2
Engineers—Educational qualifications for minng engineers 461
Our first mining graduate. T. T. Read..c369
Engineers' Council for Professional Development Toward a better engineering profession e546

Equipment:

Aluminum alloys used in mining equipment. R. S. Merritt *195
Battery discharge indicator *592
Bearing, self-aligning *164
Belt, transmission 216
Blueprinting machine *267
Brush holders for mine motors..... 371
Circuit breaker *540
Clutch-brake, magnetic *437
Coating, copper *540
Compressor, portable air *539
Compressor, rotary air *269
Compressor, stationary 540
Compressor, steam driven..... 643
Control unit, multi-purpose.....*643
Conveyor, truss-frame belt.....*643
Coupling, flexible *163
Crane with welded gears 320
Cutting attachment *437
Detector, hydrogen sulphide *48
Drill *540
Drill, auger *489
Drill, core 644
Drill, scout core 320
Dust control system *163
Dust counter *644
Dust mask *192
Dust recorder *47
Electrolytic apparatus *371
Equipment under the New Deal..... *93
Excavator, electric *593
Feeder *538
Feeder, constant weight *267
Flotation machine *215
Flue gas analyzer 592
Flux for soldering aluminum 372
Furnace, electric *645
Gage, pressure *165
Generator, medium-pressure *268
Geophysical instruments *48
Goggles *538
Grinder, detachable bit *216
Hamerench 437
Headlight, mine-locomotive 268
Heater, feedwater 163
Hoist, large 320
Hose, duplex *488
Hose, oil-resisting air 217
Idlers, rubber *644
Illuminator, surface *164
Indicator controller 268
Insulator, rock deflecting *371
Jack, portable hydraulic *437
Jig for gold concentration *591
Joint, cast-iron *164
Lifting tool 48
Locomotive, diesel-electrical *373
Locomotive, Ford V-8 .....*215
Mask, abrasives *644
Metal surface protection 164
Microscope, spectrum-measuring *372
Mill, blade *320
Mill, pulverizing bowl *48
Motor base *215
Motor drive 320
Motor drive, variable speed *372
Motor, fan-cooled *268
Motor, fan-cooled inclosed *372
Motor, variable speed *488
Plastic rubber 321
Pliers, white-hot 320
Printer, electric *320
Puller *592
Pump, centrifugal 371, 592
Pump, displacement 267
Pump, gritty liquids 164
Pump, radial diaphragm *488
Pyrometer 216
Recording machine *591
Rectifiers, low-voltage *592
Respirator *48
Rocking furnace control 267
Rope oiler *321
Sample catcher *539
Scale, balance 48
Screen, vibrating *216, *538
Screw threads, self locking 591
Screwdriver 268
Shape cutting machine *539
Shovel, self propelled mechanical *268
Shovel unit 215
Speed reducer, worm-gear *47
Starter, motor *321
Stopehammer 437
Stoping machine 643
Tape rule *267
Timer, motor operated *541
Trap, amalgamating *216
Valvactor *163
Voltmeter, recording 371
Vulcanizer, aluminum one-man *373
Wattmeter, portable volt 488
Welder, heavy duty 164
Welding machine *540
Wheel, crane *373
Wheelbarrow, aluminum *592
Erin-Go-Bragh n257
Eureka Lilly n107
Evans-Wallower Lead n207
Evergreen n365
Explosives, see Blasting

F

Fairview n104, n365
Falconbridge Nickel n38, n154, n261
Sudbury district is stepping up production. A. H. Hubbell *453
Far West Extension n586
Federal Mining & Smelting.....n629
Flagstaff Bonanza 306, n424
Flin Flon n483

Flotation:

Application of flotation to non-metallics. A. F. Taggart *90
Bubble machine for flotation testing. G. R. M. del Giudice *291
"Bubble machine for flotation testing." A. B. Cox.....c641
Chart for converting flotation reagent data 189
Cripple Creek treatment plant for flotation, roasting and cyanidation. C. E. Tonry *547
Cyanidation and flotation used in treating ores in Zacatecas. A. H. Hubbell.*184
El Potosi, premier producer of lead. A. H. Hubbell *119
Elkoro gold silver mine reopened and produces large tonnages. Gail Martin.*555
Gold ore flotation. Algernon Del Mar...c113
Heavy fluid separation. F. J. Tolonen.. *91
Hydraulic gold trap improves recovery at Montezuma-Apex *290
Little Long Lac gold area as a producer. A. H. Hubbell *571
Mining in Mexico today. A. H. Hubbell. p. 1 *119; pt. 2 *178; pt. 3 .....*235
Pamour-Porcupine flotation-cyanidation plant. A. H. Hubbell *504
Patent for flotation machine not infringed n309
Pulp density factor in floating gold ores. Fahrenwald, Newton & McManus *552
San Francisco Mines of Mexico treats complex ores. G. O. Deshler *397
Spring Hill mine rehabilitated by modernization. J. B. Hutti *145
Weepah-Nevada gold mining methods. T. H. Ovnam *300
Forani n156
Fortuna n310
Fortunate Fields n310
Four Square Gold n532
Franco Mining Corp e273
Francoeur Gold n482
Frasers n366
French Lily n634
Fresnillo—Cyanidation and flotation used in treating ores in Zacatecas. A. H. Hubbell *184
Mining sulphide ore. J. H. Ashley.....*279
Turbo-compressor solves power and mine-air problem. J. T. Hill *447
Frisco Lulu n153
Frisco Silver Lead n260, n306, n424
Frood—Nickel production stepped up. A. H. Hubbell *453

G

Gabrielle n39
Galena n310, n362, n583
Geita Gold n355
Gem of the Mountains n361
General Ore Reduction n578

Geology:

Altai Mountains of Soviet Russia show various ores. Andrey Meyer & Edith Meyer *275; pt. 2 *348; pt. 3 *463; pt. 4 .....*515
Lithium in North Carolina. F. L. Hess.*339
Mapping underground geology. Harrison Schmit *557
Report on Franco Mining Corp. didn't make sense e273
San Francisco Mines of Mexico—mining and geology. H. L. Dauth *381
Geyser-Marion n*107
Giant Ledge n258
Gilpin n258
Globe n157, n260, n633
Golconda Lead n155

Gold:

Amalgamation-cyanidation plant at Parana, Brazil. F. A. Fonseca Filho..*497
Australian gold output highest in years. P. G. Tait 78
Budgetary control for gold mining companies. J. M. Landow..... 14
Canada's gold production breaks all records. J. B. DeMille 75
Cyanidation treatment by Itogen Company in the Philippines. Ralph Keeler *3
Elkoro gold silver mine reopened and produces large tonnage. Gail Martin.*555
Examining gold quartz mines. E. Y. Dougherty c44
Flotation of gold ores. Algernon Del Mar c113
Gold loss in roasting arsenopyrite concentrate. N. S. Spence *343
Hydraulic gold trap improves recovery at Montezuma-Apex *290
Hydraulic mining in California. W. A. Newman *10
Little Long Lac gold area as a producer. A. H. Hubbell *571
Mammoth, Ariz., district mines gold and molybdenum from rehabilitated mines. J. B. Hutti *286
Nugget found in Idaho *583
Pamour-Porcupine flotation-cyanidation plant. A. H. Hubbell *504
Peru's gold mining industry grows. C. C. Semple.....*609
Philippine Island gold production 473
Placer gold dredging in West Africa. F. M. Blanchard *175
Production of gold in 1935. H. N. Lawrie 54
Pulp density factor in floating gold ores. Fahrenwald, Newton & McManus *552
San Francisco Mines of Mexico treats complex ores. G. O. Deshler *397
Scott River lifts itself for hydraulic mining. R. J. Barber *171
Testing placer ground in a unique way. P. L. Jones 337
Washing gravel underground at Lucky John. G. A. Collins *513
Washing plant for shallow gold deposits. J. B. Hutti *495
Weepah gold mining methods. T. H. Oxnam *300
World production for first quarter 1936.n304
Gold Ace n429
Gold Basin n109
Gold Belt n432
Gold Canyon n578
Gold Eagle n364
Gold Hill n305, n425
Gold Hill Dredging—Power cable suspension *567
Gold Horse Shoe n533
Gold Lake Gold n38
Gold Mines of Australia n100
Gold Mines of Kalgoorlie.....n638
Gold Mountain n631, n636
Gold Producers of California n524
Gold Roads n426
Gold Road—Modernizing an old mine. J. B. Hutl *250
Gold & Silver Circle n109, n358
Gold, Silver & Tungsten n32
Gold Standard n109, n429, n578, n634
Gold Tunnel n576
Gold Wave Exploration n*314
Golden Chariot n630
Golden Cycle n480
Golden Door n148
Golden Falcon n109
Golden Gate 260
Golden Girl n157
Golden Plateau n481, n638
Golden Queen n305, n357, n524
Cyanide plant of the Golden Queen. Otto Wartenweiler.....*327
Goldfield Consolidated n309, n429, n582
Goldfield Deep n582, n630
Gordon-Brodie n257
Gover-Fremont n257, n524
Granby Consolidated Mining & Smelting n103, n150, n257, n530, n584, n636
Problems that confronted the company. C. M. Campbell.....*616
Grant n305
Great Boulder Pty n481
Great Buffalo n424
Great Victoria United n41, n481
Great Work Tin n585
Greene-Stabell n365
Greenway n529
Grey Eagle n634
Greyboro n155
Grizzly Bear n630
Groom district n526

Guadalupe de los Reyes n199
Guanacevi n584
Guanajuato Consolidated.....n363, n433
Guanajuato Reduction & Mining n263, n313, n363
Gunnar Gold n39

H

Hailey-Triumph n104, n357
Halley's Comet n638
Hallnor n364
Hammond, John Hays e326
Hard Rock n364
Hard Rock Gold
Recent developments. A. H. Hubbell..*571
Harqua Hala n32, n148
Harricana Amalgamated Gold n154
Harrison n305
Hartford—Comstock still produces. J. B. Huttl *465
Hassayampa Gold n202
Hassell n581
Haystack n582
Haywood-Santiago n475
Hecla n481, n629
Hedley Mascot Gold....n103, n306, n482, n636
Henderson n524, n634
Hercules n41
Hidden Treasure n153, n260, n306, n578
Hill Annex n206
Hill 50 Gold n41
Hillside n202, n476
Hog Heaven n634
Hollinger n154
Homestake n425, n629
Honerine n357
Honey Boy n356
Horn Silver n260
Horse Heaven n635
Howard n531
Howe Sound 530, n636
Howey n102, n261, n364
Hudson-Patricia n261
Humboldt n426

I

I X.L. n156
Ibex n260, n583
Idaho Consolidated n310, n532
Idaho Maryland n32, n149, n257, n357, n425
Vertical shaft boring inexpensive and safe. J. B. Newsom *443
Idaho Mother Lode n206
Improved Milling, Mining & Refining Co..n309
Industrial conference fails to function.... e2
Ingurtosu—Dust mask developed for mine use *192
Inspiration Copper *426, n*476
Instituto Brasileiro de Mineracio e Metalurgia—Organization of society..n149
International Nickel n38, n209
Sudbury district is stepping up production. A. H. Hubbell *453
International Smelting n201, n635
Insurance—California Insurance Commissioner announces silicosis surcharge on compensation insurance rates effective June 1 .....n305
Iowa Tiger n424, n480, n531
Ipo Gold n314
Iron:
Belt conveyors adopted for open-pit transport by LaRue mine. L. C. Moore *138
Dunwoody uses a gasoline driven washing plant. L. C. Moore *194
Ore shipments in 1936 577
Raw materials available for a Pacific Coast Iron industry n308
Iron King n585, n634
Ironclad n424
Island Mountain..n313, n433, n482, n531, n636
Itogen n314
Filtration costs. D. F. Irvin.....c161
Ralph Keeper c369
Philippine gold producer. Ralph Keeler *3

J

Jack Pot n205
Jack Waite n155
Jarret n110
Jefferson n257
Johnny Logan n480
Johnson Gold n148
Joplin n150
Josie May Turquoise.....n628
Julia n111
Jumbo.....n429, n475, n526, n582, 630
Junction City Mining n108
Jungo Gold Star.....n582, n630
Justice n150, n358, n429

K

Kalgoorlie Ore Treatment n208
Kanieri Gold n208
Katherine n524
Kavirondo Gold n158
Kearsarge n153
Kengan Gold Area.....n637
Kennecott Copper n205, n533
Kennedy Mining & Milling....n32, n149, n357
Kentan Gold n158, n355
Kentucky-Utah n356, n479
Kenya Consolidated Goldfields n534
Keystone n200, n582
Kimberley n263
Kimingini Gold ..n158, n210, n355, n431, n534
King David n260, n306, n424
King Lease n531
King Midas n628
King of Arizona n476
King Solomon n108, n361
King Tut n109, n259
Kirkland n202
Kitty n633
Klax n628
Klondyke n109
Knee Lake n38
Kootenay Belle n313, n433, n636
Kopaonik n158, n431
Kossuth n429, n582
Kuhn n200
Kwahu n637

L

La Consolidada n263, n530
La Mexicana y Anexas n39
La Sierrita de Santa Barbara n199
La Tosca n581
Labor:
Are American employers interested in their employees? 288
Employment records for Social Security Act n36
San Francisco Mines of Mexico—employees well safeguarded. R. Rangel..*420
San Francisco Mines of Mexico—labor relations. W. E. Wiegand *417
Lady Bell n149
Lake Duck n628
Lake George n41, n366
Lake Rose n432
Lakes of Killarney n260
Lakeside Monarch n635
Lalor Foundation incorporated n306
Lamaque n38, n209
Lamps, electric cap, in a California mine. J. W. Chandler.....*613
LaRue n365
Belt conveyors adopted for open pit transport. L. C. Moore *138
Las Guijas n426
Lava Cap Gold n200, n305, n425
Electric cap lamps in a California mine. J. W. Chandler.....*613
Lead:
American Smelting & Refining lead refinery at Monterrey. A. H. Hubbell..*238
Angangueo, lead-silver mining. A. H. Hubbell *178
Avalon smelter, near Chihuahua, output. A. H. Hubbell *124
Chart of world production 64
El Potosi, premier producer of lead. A. H. Hubbell *119
Mining in Mexico today. A. H. Hubbell. pt. 1 *119; pt. 2 *178; pt. 3 .....*235
Parral's output. A. H. Hubbell *127
Penoles smelter at Torreon. A. H. Hubbell *239
Production of lead in 1935. F. E. Wormser 58
San Francisco Mines of Mexico treats complex ores. G. O. Deshler *397
Smelting and refining at Monterrey. A. H. Hubbell *235
Lead & Zinc n150, n362
Leadville n426
Lena Goldfields n210
Leonidas n365
Leviathian n476, n524
Lewiston Peak n33
Libanon Gold n484, n534
Liberal King n37, n361
Liberty Hill Gold n259
Limerick Canyon n257
Lin Ma Hang n585
Lithium—Spodumene pegmatites in North Carolina. F. L. Hess *339
Lithium in North Carolina 464
Stuart St. Clair c487
Little Ben n634
Little Long Lac Gold—Recent finds strengthen district as producer. A. H. Hubbell *571
Little May n33, n356
Loloma n311, n533
London Mines n582
Lone Star n531
Longfellow n28
Los Cuates n101
Los Muertos n483
Los Palotes n483
Los Tres Reyes n313
Lucky Boy n205
Lucky John—Washing gravel underground. G. A. Collins *513
Lupa Exploration n158
Lyons n476

M

MacKenzie Red Lake n261
MacLeod-Cockshutt Gold—Recent finds. A. H. Hubbell *571
Madison Red Lake n364
Madsen n261
Magma Copper n109, n479
Bevel gears machined in a planer.....*570
Magnesite—Dona Anna, N. M. magnesite. H. H. Taft *137
Mahnomen n365
Maintenance:
Balancing fan rotors *354
Battery charging plug which is safe and low in cost.....*618
Bevel gears machined in a planer.....*570
Boring mill indicator helps operator...*615
Compressor crankcase temperature reduced by cooling coil *249
Cooling tank for drill sharpening shops *561
Cutting copper gaskets *189
Cutting worm threads in a lathe.....*289
Drill steel tempering furnace *344
Drilling bulkhead water doors in a lathe *446
Electric-locomotive frame repair.....*290
Hard facing more serviceable than ever*568
Inlet valve lever repair.....*249
Jaw crusher repair *192
Non-clogging spray line *520
Pump problem solved *464
San Francisco Mines of Mexico—drill repair and bit sharpening shop. L. C. Overton *408
Telpher crane repair *139
Thickener shaft repair *244
Mammoth n107, n356, n525
Gold and molybdenum from rehabilitated mines. J. B. Huttl *286
Mammoth—Surprise n201
Management:
Budgetary control for gold mining companies. J. M. Landow 14
Manganese:
Chart of world production 65
Electrolytic manganese. Koster & Shelton *510
Electrolytic production of metallic manganese 357
Research on manganese makes progress e493
Manhattan Consolidated n205
Manhattan White Caps n205
Manitou n482
Marbuan Gold n102
Marievale Consolidated n484
Marmac n628
Marsman & Co.....n315
Marvel Loch Gold.....n208, n481
Mary n358
Masinloc n156
Matachewan Consolidated n261, n483
Matehuala n483
Mattie n531
Mayflower Mill n363
Mazapil Copper n39
McCabe-Gladstone n202
McGraw-Hill Publishing Co.—chairman changes n39
McIntyre Porcupine n364, n365
McKenzie Red Lake n102
McLeod-Cockshutt n364, n432
McQuire n148
Mechling n474
Medicine Bow Mining—testing placer ground in a unique way. P. L. Jones 337
Mercur n33, n201, n260, n306
Mercury—chart of world production..... 65
Meridian n636
Merritt n305, n365, n577
Mesabi n206
Metallurgy:
Altai Mountains region increases milling facilities for treating ores. Andrew Meyer & Edith Meyer.....*468
Autogenous smelting of copper concentrates. T. E. Norman....499, pt. 2 562
Avalos smelter, near Chihuahua, output. A. H. Hubbell.....*124
Calcine charger uses centrifugal force..*299
Caustic starch improves settlement of slime. C. W. Dowsett.....c161
Cripple Creek treatment plant for flotation, roasting and cyanidation. C. E. Tonry *547
Cyanidation treatment for gold recovery by Itogen Company in the Philippines. Ralph Keeler *3
Cyanidation and flotation used in treating ores in Zacatecas. A. H. Hubbell*184
Cyanide plant of the Gold Queen. Otto Wartenweiler *327
Electrometallurgy forges ahead. Arthur Zentner *93
Electrolytic manganese. Koster & Shelton *510
Gold amalgamation-Cyanidation plant at Parana, Brazil. F. A. Fonseca Filho *497
Gold loss in roasting arsenopyrite concentrate. N. S. Spence *343
Itogen filtration costs. D. F. Irvin....c161
Itogen filtration costs. Ralph Keeper.c369
Lead smelting and refining at Monterrey. A. H. Hubbell *235
Little Long Lac gold area as a producer. A. H. Hubbell *571
Milling tin ore from the San Antonio mine. A. H. Hubbell 126
Mining in Mexico today. A. H. Hubbell.... pt. 1 *119, pt. 2 *178, pt. 3.*235
Pamour-Porcupine flotation-cyanidation plant. A. H. Hubbell *504
Parral's output. A. H. Hubbell *127
Peirce-Smith converter capacity under varying conditions. J. S. Stewart ...*224
Penoles smelter at Torreon. A. H. Hubbell *239
Problems in the recovery of precision metals. G. H. Clevenger *87

e editorial; n news; c comment and criticism

Rock milling fundamentals. A. W. Fahrenwald *142
San Francisco Mines of Mexico treats complex ores. G. O. Deshler *397
San Luis Potosi, lead-copper smelter of Central Mexico. A. H. Hubbell. *183
Santa Barbara camp continues active *132
Sulphur dioxide recovery from metallurgical gases 347
Treadwell Yukon improves its metallury. J. B. Huttl..... *619
Zinc smelting by the New Jersey Zinc Co. E. H. Bunce..... *599

Metals:

Daily prices and average monthly...50, 114, 166, 218, 270, 322, 374, 438, 542, 594
E. & M. J. metal prices 1897-1935 chart 68
Revival of consumption of non-ferrous metals e441
United States mining industry revives. H. C. Chellson 73
Metropolitan n155, n361

Mexico:

Labor troubles n157
Labor strike may be settled..... n627
Mining industry south of the Rio Grande. A. H. Hubbell *69
Mining in Mexico today. A. H. Hubbell pt. 1 *119, pt. 2 *178, pt. 3 *235
Mining and the government in Mexico. A. T. Benitez *242
Nationality of mining capital..... n629
Railroads to be extended..... n627
Resolutions adopted by mining operators n627
Miami Copper n202, n259, n476
Safety record e170
Michigan College of Mining & Technology n531
50h anniversary to be celebrated..... *362
Microscope—mounting flotation products for the microscope . R. E. Head ... *336
Midas n524
Middle Buttes mine claim n149
Mina Timbutuva Sociedade—Gold amalgamation plant. F. A. Fonseca Filho *497
Mineral de Bonanza n530
Mineral Mountain n155, n361 n532
Mineral Point..... n258
Mineral Ridge n34

Mining:

Digging in abandoned mines, Serbia. G. L. Walker *190
Distribution of wealth e494
Exemption from assessment work becoming a vested right e221
Fantastic bait for suckers..... e598
How long shall annual assessment work be suspended—symposium 222
Inferences drawn from report of National Resources Committee. G M. Colvocoresses c589
Mineral policy planning meets obstacles. R. S. McBride *143
Mining outlook e53
SEC proposes new exemptions for mining companies e442
Supreme Court decision on Guffey Coal Act n307
United States mining industry revives. H. C. Chellson 73
Walsh-Healey Act 459

Mining Methods:

A.I.M.E. convention 147
Costs of mine development. M. J. Elsing 245
Cyanide plant of the Golden Queen. Otto Wartenweiler *327
Granby Consolidated's mining problem in retrospect. C. M. Campbell..... *616
Hydraulic mining in California. W. A. Newman *10
Mining in Mexico today. A. H. Hubbell pt. 1 *119, pt. 2 *178 pt. 3 *235
Mining practice moves toward greater efficiency. W. G. McBride 85
Mkana copper mining. Harrison & Mackay ..... pt. 2 *17
Nickel companies in Sudbury district prepare for bigger business. A. H. Hubbell *453
Open-pit, power shovel mining methods for gold mining at Weepah. T. H. Oxnam *300
Peru's gold mining industry grows. C. C. Semple *609
Placer gold dredging in West Africa. F. M. Blanchard *175
San Francisco Mines of Mexico—mining and geology. H. L. Dauth *381
Scott River lifts itself for hydraulic mining. R. J. Barber *171
Shaft boring found inexpensive and safe. J. B. Newsom *443
Sulphide ore mining at Fresnillo. J. H. Ashley *279
Washing gravel underground at Lucky John. G. A. Collins *513
Washing plant for shallow gold deposits. J. H. Huttl *495
Zinc smelting by New Jeersey Zinc Co. E. H. Bunce..... *599
Minnewa n305
Minto Gold n262, n312, n365, n432 n531
Missabe Mountain n305
Why high-grade ores are used for aluminum manufacture 460
Mission n633
Modernization—Oatman, Ariz., district is modernizing its old mines. J. B. Huttl *250
Spring Hill mine rehabilitated by modernization. J. B. Huttl *145
Moffat-Hall n364
Mohawk—Gold and molybdenum from rehabilitated mines in Mammoth, Ariz. J. B. Huttl *286
Mollie Kathleen n424
Molly Kathleen n480
Molybdenum—Gold and molybdenum from rehabilitated mines in Mammoth, Ariz. J. B. Huttl *286
Molyneaux Gold n208, n259
Monarch n525
Montague n155
Monte Christo Gold-Silver.....n32, n259, n314
Montezuma Apex n257
Hydraulic gold trap improves recovery. *290
Moonlight n366
Moose River Gold—Cave-in in Nova Scotia gets spotlight 254
Morgan Gold n148
Morning n583
Morning Glory n109
Morning Star n305, n365, n638
Morris n202
Mount Isa n41, n263
Mount Lincoln n358
Mount Lyell n208, n533, n638
Mount Morgan, Ltd....n109, n208, n481, n585
Mountain City Copper n35, n150, n205, n257, n475, n630
Mountain Queen n361
Mufulira Copper n41, n158, n355, n431, n583, n637
Muncie n110, n261
Mural, placer mining *147
Murchie n357, n576
Murray n525
Mutual n37, n113, n362, n425
Mystery Mines Extension n202

N

Nancy Lee n258, n361
Nancy Smith n369
National Mining Congress to be in Mexico City n629
Natomas n357, n628
Neg. Minera de Los Reyes n101
Nell Gwynne n208
Nevada City Gold..... n628
Nevada Coalition n205
Nevada-Massachusetts n34, n475
Nevada porphyry Gold..... n429, n582, n630
Nevada State Gold n309, n429
Nevada-Wonder n205, n526
New Broken Hill Consolidated n533
New Deal n633
New Guinea Goldfields n481
New Idria n425
New Jersey Zinc Co.—Advance in zinc smelting. E. H. Bunce..... *599
New Occidntal Gold..... n366, 638
New Park Mining n479
New Pyrenees Alluvials n366
New Year n148
Gold and molybdenum from rehabilitated mines in Mammoth, Ariz. J. B. Huttl *286

New Zealand:

Gold production for 1934 ..... n41

Newfoundland:

Aerial Survey of Blow-Me-Down area. A. K. Snelgrove *8

Nickel:

Chart of world production
International Nickel and Falconbridge Nickel in Sudbury District speed up production. A. H. Hubbell *453
Nickel and its relation to the United States. G. M. Colvocoresses c45
Nickel and the United States. G. W. Pawel c213
Production of nickel in 1935. R. C. Stanley 61
Nickel Plate n262, n584
Nigel Gold n484
Nine Mile n361
Nkana Copper—Mining practice at Nkana. Harrison & Mackay ..... pt. 2 *17
Noranda n102, n208, n584
Norcal n201
Norgan Gold n426
Norris Dam tests the costs and performance of forged and detachable bits 623
Norseman Gold Mines n100, n366, n585
North Banner n108
North Broken Hill..... n638
North Carolina—Lithium in North Carolina. F. L. Hess *339
North Lily n201, n260, n352
North Wales Gold n585
North Whitney n432
Northern n37
Northern Rhodesia n40
Norway—Proposed development of pyrite deposits n534
Nurupi Kozan Kabushika n153

O

Obituary:

Albu, George 160
Bacon, Maurice W. 441
Beet, George 44
Bell, Robert N. 44
Bloomer, William M. 435
Bollweg, Henry 265
Bourne, William B. 435
Brockington, Charles A. 435
Browne, Ross E. *369
Browning, Percival D. 368
Campbell, Milton K. 589
Carter, Herbert F. 435
Casserly, Jeff 589
Cellier, Jacobus S. 368
Cinta, Rafael 160
Clark, Thomas J. 536
Clarke, Wilson H. 317
Clinton, R. A. 435
Colburn, E. A. 160
Cole, E. A..... 265
Colony, Roy 213
Cowden, Millard M. 44
Craig, Robert S. 588
Craven, George W. 486
Cullinan, Thomas 486
D'Arcy, A. I. 486
Davis, James 265
Davis, Walter W. 435
DeGolyer, Edward S. 435
Dennis Roger 368, 435
Dern, George H..... 536
Doman, W. A. 368
Ettlinger, Isadore 588
Farlow, C. A. 113
Faustino, Leopoldo 213
Flynn, Charles 265
Flynn, Thomas J..... 640
Foote, Henry 435
Forsnas, Herman M. 113
Garthwaite, Edwin H. 317
Gau, William J. 317
Gerhardi, A. C. H. 536
Gowan, George D. 212
Haldane, John S. 212, 265
Hall, James L. 317
Halse, Edward 44
Hamilton, Edward H. 113, 160
Hamlin, Herbert 44
Hammond, John Hays *368
Hannon, M. J. 265
Harkness, Gideon 44
Harman, John F..... *641
Heeney, John F. 265
Hensley, James H. 113
Hicks, Charles 265
Holland, Lionel 435
Hon, Victor 160
Hosken, Richard 536
Howard, James W. 317
Hyde, J. H. 536
Jago, Walter W. R. 113
Jones, Fayette A. *317
Karpinsky, Alexander P. 435
Kaufman, George 368
Keith, Edward W. 160, 212
Kimball, E. B..... 640
King, V. T. 160
Kintner, Dr. Samuel 588
Lachmund, Oscar 44
Landes, Dean Henry 536
Larison, Eldon 213
Lauderdale, Robert D. 317
Lennox, William M. 536
Low, Albert H. 265, 317
Low, Fred R. 113
Lyman, Robert H. 44
Lys, Godfrey 212
MacGinniss, John 368
Maguire, William 435
Mailey, Marc 212
Mateer, Thomas J. 317
Maxwell, Ralph C. 113
May, Col. Henry 588
McDonald, Felix 213
McDonald, Alexander 435
McLaine, Claude I. 436
McNutt, Vachel 265
Melzer, Fred E. 368
Merill, Isaac L. 368
Merricks, Frank 368
Miller, Leonard B. 368
Mitchell, Harold G. 536
Moore, Hon. Sid James..... 641
Moore, W. 368
Moorehouse, Mark C. 317
Mosehauer, Edward 368
Mulhally, Michael 486
Murray, George E..... 640
Murray, M. D. 113
Oden, W. F. 212
O'Flynn, W. A. 44
Orynski, Ralph 486
Palmer, Irving 265
Parker, William 265
Parks, William A. 589
Perkins, Edward 265
Phillips, Lionel 368
Pitkin, Lucius 368
Putnam, L. G. 265
Raymond, William Wolsey 536
Rickard, S. D'Arcy 31
Roberts, T. H. 265
Roebling, Edward 368
Ross, Frank A. 212
Ross-Munro, P. H. 588
Saleeby, N. M. 160
Schlumberger, Conrad 368
Schultz, O. G. 212
Seep, Albert H. 212
Siebert, Frederick 536
Simons, Theodore 435
Skinner, William 536
Smith, Dwight T..... 640
Smith, George Saunders 486
Smith, William 486
Snow, J. Marcellus 113, 160

Sollas, William 583
Springer, Leo 317
Sutherland, A. W. 536
Thompson, Wallace 113
Timmons, Colin 486
Timmins, Noah 113
Trainer, Joseph 212
Valvalda, Andrew T. 265
Van Cleve, R. H. 160
Van Sant, Leslie 265
Van Wagenen, Theodore 113
Vowell, Charles 212
Wallace, H. V. 44
Watkins, John S. 212
Weld, Christopher 160
West, Ray B. 363
Whitcomb, Charles 368
Wickstrom, Clarence L. 468
Wilkinson, Theodore 212
Williams, Parley L. 368
Williamson, John 265
Woodney, William J. 113
Wrey, Bourchier 363
Yates, B. C. 486, *536
Obrien Gold n636
Octave n426
Oil drilling in England n483
Old Carbonate n356
Old Hat n259, n524
Olinghouse n109
Oliver n260
Oliver Iron n111, n365
Omco n109
Omega n432
Ontario Silver n479
Opemiska n365
Ophir n34, n315
Ophir Metals n260
Ophir Midland n260
Orange Free State n534
Orange Witwatersrand Areas n315
Original Amador n200
Oro Fino n33, n108, n257, n357
Oro Glame n148
Oro Rico Placers n426
Oronogo n529
Oronogo dewatering n37
Oronogo Mutual n581
O'Ruin Gold n432
Output Is. n154
Overland n475
Comstock still produces. J. B. Hutti..*465

P

Pacific Eastern n364
Palisades n258
Pamour n102
Pamour-Porcupine — new Ontario gold producer. A. H. Hubbell *504
Panique n156
Papago n259
Paracale .....n156, n*314, n475.
Paracale-Gumas Consolidated n475
Paringa Mining & Exploration.....n311, n533, n638
Park City Consolidated.....n33, n107, n153, n479, n635
Park City Development n107, n306
Park Galena n260, n306
Park Standard n260
Park Utah n479
Parral's output. A. H. Hubbell *127

Patents:

Exemption from assessment work becoming a vested right e221
Flotation machine patent not infringed.n309
How long shall annual assessment work be suspended—symposium 222
Modernizing the patent system e118
Suit in Baltimore e170
Patsy n259
Paymaster n102
Payoff n634
Pendergast n259
Pennsylvania n357, n628
Perron Gold n38, n262
Peru—Gold mining industry grows in Peru. C. C. Semple.....*609
Phelps Dodge..... n109, n202, n426
Balancing fan rotors.....*354
Boring mill indicator helps operator...*615
Cutting worm threads in a lathe *289
Drilling bulkhead water doors in a lathe *446
Mirror on sharpener provides safety*354
Safe high tension disconnect *506
Philippine Geological Society formed..... 475

Philippine Islands:

Gold production 473
Gold production increases n156
Itogon uses cyanidation treatment for gold recovery. Ralph Keeler *3
Philipsburg n634
Pickle Crow n261
Piermont n309
Pilgrim n634
Pine Grove Placers n154
Pinyok—New tin producer in Siam *42
Pioneer Dredging.....n257, n313, n364 n482, n584, n636
Pioneer Dredging Co.—Washing plant for shallow gold deposits. J. B. Hutti*495
Platinum—Midsummer madness in the platinum market e494
Plumbago n108
Piuosa Mts. n578
Polaris n37, n206, n258, n430, n629
Polaris-Chester n583
Pontiac n155, n258
Pony Meadows n358
Pope n202
Portland n202
Potosi n483

Power:

Dunwoody uses a gasoline driven washing plant L. C. Moore *194
Federal power and mineral industries 576
Fresnillo solves problems with turbocompressor. J. T. Hill *447
High tension disconnect *506
San Francisco Mines of Mexico—electric power distribution. W. E. Mashburn *411
Premier n262
Prichard n311
Pride of Mojave n200
Prince Leopold n431
Prince of Wales n424

Prospecting:

Aid to prospectors e170
Aid to prospectors—Quebec Prospectors' Assn. c318
Examining gold quartz mines. E. Y. Dougherty c44
Exemption from assessment work becoming a vested right e221
Has anybody seen "blackie"? Hal Boutwell c487
How long shall annual assessment work be suspended—symposium 222
Itinerant Prospector's School in Nevada. William Friend *193
Testing placer ground in a unique way. P. L. Jones 337
University of Utah runs a prospector's school n201
Pugsley n584
Pumps and pumping—Mine pumps and their selection. Lamar Warner pt. 1.*621

Q

Queen Esther n305
Quincy n531, n581, n633

R

R. Warrior n628
Rainbow n532, n576
Rand Leases n431, n534
Rapidan n358
Raub Australian Gold n366
Ray n205
Real del Monte y Pachuca n101
Rebel n634
Red Lake Gold Shore n261, n364
Red Rock 476
Reedy Creek Alluvials n585
Reitfontein Gold n534
Reliance n109, n432
Relief Hill n257
Reno n103, n137
Republic Steel n111, n365

Research:

Behavior of minerals associated with superheated steam . A. J. Crowley.. *27
Bubble machine for flotation testing. G. R. M. del Giudice *291
Lalor Foundation for research incorporated n306
Lalor Foundation offers awards for research 480
Mounting flotation products for the microscope. R. E. Head *336
Utah Engineering Experiment Station offers fellowships n253
Zinc cup test for cassiterite 299
Rexall n424
Rhodesia Broken Hill Development..n41, n355, n431, n534, n637
Rhodesia Minerals Concession n355
Rhokana n158, n484, n637
Rialto n362
Rimu Gold Dredging n533
Rio Tinto n358, n425, n526, n533, n585
Ripsey 426
Rising Sun n474
Riverside Copper n311
Roadside n426
Roan Antelope.....n158, n315, n431, n484 n534, n585, n637
Robinson n207
Roman Deep Holdings n158, n431
Ropes n104, n157, n207, n426
Roseberry n41
Rosebud n148
Roseslip Mines e305
Roy Troxel n310
Ruby Gulch n634
Rudisil—Pump problems solved *464

Russia:

Altai Mountains of Soviet Russia show various ores. Andrew Meyer & Edith Meyer *275, pt. 2 *348, pt. 3 *469, pt. 4 *515
Mineral industry set for rapid growth. H. C. Chellson *81
Ruth Rattan n32, n578

S

Sacramento Gold Dredging n108

Safety:

Cable guard is safe and efficient *354
Dust mask *192
Electric cap lamps in a California mine. J. W. Chandler *613
High tension disconnect *506
Joseph Holmes safety awards n260
Miami Copper's safety record e170
Mirror on sharpener provides safety..*354
San Francisco Mines of Mexico—employees well safeguarded. R. Rangel *420
Sagamore n365
St. Anthony n150
St. Clair n525
St. Elmo n206
St. Ives n630
St. Joe Mining & Milling n424
St. Joseph Lead n207, n425
St. Louis Smelting & Mining n529, n633
St. Paul n365, n529
Salacot n156
Samoa n148
San Antonio n39, n637
Milling tin ore. A. H. Hubbell *126
San Francisco n148, n363
San Francisco del Oro—Parral's output. A. H. Hubbell *127
San Francisco Mines of Mexico....n39, n101
Electric power dsitribution. W. E. Machburn *411
Employees well safeguarded. R. Rangel *420
Engineering practice. H. G. Dudley...*414
Labor relations. W. E. Wiegand *417
Mechanical operations centralized. L. C. Overton *408
Mining and geology. H. L. Dauth ...*381
Ores treated with comples. G. O. Deshler *397
South of the Rio Grande e377
Statistical picture of the progress 380
The enterprise *378
Wire-rope transport system unique. W. G. Campbell *391
San Francisco y Anexas n199
San Juan n258, n524, n334
San Luis n584
San Luis Potosi—Lead-copper smelter of Central Mexico. A. H. Hubbell.....*183
San Mauricio n156, n314, n474
Sand-Queen-Gladstone n208
Santa Barbara—Parral's output. A. H. Hubbell *127
Santa Felicitas Gold n627
Santa Maria del Oro n199
Santa Teresa n39
Santiago n628
Santo Domingo n313
Sargeant n633
Schumacher n364
Scotia n200
Scott n110
Scott Bar Mines—Scott River lifts itself for hydraulic mining. R. J. Barber..*171
Seal Harbor Gold n155
Secretary Lode n526
Semple n207
Serbia—How abandoned mines look after 500 years. G. L. Walker *190
Seventy-Nin-Lead Copper n259
Sevier-Miller n201
Shafts—Idaho Maryland finds vertical shaft boring safe and inexpensive. J. B. Newsom *443
Shamrock n104
Shattuck-Denn n476
Shawkey n154, n209
Sheba Gold n33
Sheep Creek Gold n103, n433, n482
Shenandoah-Dives n363, n531
Shields n630

Siam:

Pinyok, new tin producer *42
Tin concentration. C. A. Wood.....c161
Sibley n260
Sierra Alaska n305
Sierra Nevada—Comstock still produces. J. B. Hutti *465
Sigma n209, n262, n432
Silbak-Premier n584

Silicosis:

California Insurance Commissioner announces silicosis surcharge on compensation insurance rates effective June 1 .....n305
Department of Labor sponsors silicosis conference n*253
Hearings on silicosis 106
Investigation by Committee n151
Let's end the silicosis racket e117
Reducing the dust hazard e169
Rock dust and miners' health—American Mining Congress 576
Secretary of Labor convenes meeting on silicosis n203
Surcharge on compensation insurance for silicosis in California e442

Silver:

Angangueo, lead-silver mining. A. H. Hubbell *178
China sells silver reserves to United States n304

e editorial; n news; c comment and criticism

Elkoro gold silver mine reopened and produces large tonnage. Gail Martin..*555
Mining in Mexico today. A. H. Hubbell pt. 1 *119; pt. 2 *178; pt. 3.....*235
Production is increasing e598
Production of silver in 1935. H. M. Bratter 55
Riddle of silver e1
San Francisco Mines of Mexico treats complex ores. G. O. Deshler *397
Treadwell Yukon improves its metallurgy. J. B. Huttle *619
World news on silver n31
Silver Bar n37
Silver Bell n476
Silver Cable n206
Silver Consolidated n153
Silver Crescent n206, n430, n481
Silver Flag n259
Silver King Coalition...n201, n356, n479, n525
Silver Lake n531
Silver Queen n148
Silver Shield Mining & Milling.....n581
Silver Summit n37
Silver Syndicate n206, n532
Simmer and Jack n355, n484, n534
Siscoe n209, n432
Sisley n524
Sixteen-to-One Extension n108
Smith Cobalt n102
Sneath & Clay n257
Societe Kinor n586
Societe Minetain n586
Societe Syluma n586
Societe Symor n586
Society de l'Aruwimi-Ituri n586
Soledad Hill n200
Sombia n586
Soudan n111
Soulsby n33
South Africa—Production of gold for nine months n637
South Burns n480
South Kalgurli Consolidated n533
Southern Cross United n638
Southern Rhodesia n355
Southwestern Metal n202, n578
Spring Hill—Modernization of an old Grass Valley mine. J. B. Huttl.....*145
Spring Mines n484
Spruce n430
Stadacona Rouyn n102, n312
Standard Consolidated n200, n305
Standard Hill n305
Star n258, n480
Star of Utah n306
Stockton Hill n576
Stone Cabin Consolidated n358
Storm Cloud n634
Stream pollution and tailings disposal..e546
Sturgeon River Gold n102, n432
Sullivan n209, n430, n481
Sullivan Zinc n*104
Sulphide ore mining Fresnillo. J. H. Ashley *279
Sulphur—Behaviour of minerals associated with superheated steam. A. J. Crowley *27
Sulphur dioxide recovery from metallurgical gases 347
Sultan n260, n311
Summitville n258
Sunshine n37, n104, n258, n311, n430, n532, n629
Sunshine Consolidated n532
Superior n260
Surf Inlet n584
Surf Point n312

Surveys and Surveying:

Aerial survey of Blow-Me-Down area in Newfoundland. A. K. Snelgrove... *8
Measuring distance between lines of slight of the main and auxiliary telescopes *569
Solving the strike and pitch of intersecting formations by a formula. J. A. Weir *12
Susquehanna n628
Sutro Tunnel Coalition n*31
Comstock still produces. J. B. Huttl.....*465
Suyoc Consolidated n156, n473
Swastika n32, n148
Sylvanite n432
Syndicate Mining & Exploration n206

T

Tano Gold Dredging—Placer gold dredging in West Africa. F. M. Blanchard.*175
Tashota Goldfields n102
Tasman Tin n311

Taxation:

New Taxes 105
Tax bills e221
Tax muddle e274
Union of South Africa tax law effects..n315
Telegraph n149
Telluride Chief n109
Tennessee n148
Tennessee Schuylkill n426, n524, n578
Tetiuhe Mining n355
Three Star n257
Tia Gerrada n483
Tiblemont Island n482

Tin:

Chart of world production 66
Concentration of tin in Siam. C. A. Wood c161
Export rules 256
Milling tin ore from the San Antonio mine. A. H. Hubbell 126
1936 estimated requirements 360
Pinyok, new tin producer in Siam..... *42
Production of tin in 1935. E. B. Scott 60
Tin scrap exports bill n152
Tinago Consolidated n475
Tintic Gold n306
Tintic Ophir n356, n525
Tintic Prince n581
Tintic Standard ..n107, n201, n356, n581, n635
Tip Top n202
Tom Rea n630
Tom Reed—Modernizing an old mine. J. B. Huttl *250
Tombstone n578
Tombstone Development n476
Tombstone Extension n109
Tonopah n429
Torreon n313
Toughnut n32
Trafalgar n626
Trail n311

Transportation:

Air travel emergency kit. Helmuth Bay..c318
Aluminum alloys used in mining equipment. R. S. Merritt *195
Battery charging plug which is safe and low in cost *618
Belt conveyors adopted for open-pit transport by LaRue mine. L. C. Moore *138
Cable guard is safe and efficient.....*354
Cage landing chairs *192
Car coupling 6
Electric-locomotive frame repair.....*290
India uses electric locomotive for not-metal transportation *40
Motors and highway supersede railroads e274
Nkana copper mining. Harrison & Mackay. pt. 2..... *17
Plane transportation of gold in Peru. C. C. Semple.....*609
Tractors speed placer development in Alaska *507
Wire-rope transport system at San Francisco Mines of Mexico. W. G. Campbell *391
Transvaal—mining in 1935 .....n103
Trapper Creek n206, n311
Treadwell Yukon — Tybo improves its metallurgy. J. B. Huttl.....*619
Treasure Mountain Gold n583
Treasury Tunnel—Oxygen deficiency underground. R. S. Moehlman.....*338
Trepca n41, n158, n210, n263, n315, n355, n431, n533
Digging in abandoned mines. G. L. Walker *190
Tri-State District n529
Tri-State Zinc n110
Tri-State Zinc & Lead Ore Producers Assn Production in 1935 .....n110
Tropico n200
Trout n634, 635
Tucson Ore Buying n426
Tungsten—Chart of world production..... 67
Electrodeposition of Tungsten 538
Tunnel driven using mining technique—Yerba Buena tunnel. G. J. Young...*140
Twenty-nine Palms n357
Two Friends n310
Two Percent n634

U

Uganda n637
Uncle Sam n628
Union n257
Union Miniere n586
Union Miniere du Haut-Katanga.....n431
Unit n37
United Empire Gold n425
United Gilpin n582
United Gold n480
United Paracale n156
U. S. Bureau of Mines—Electrolytic production of metallic manganese..... 357
Southern Experiment Station at University of Alabama, Tuscaloosa..... 361
U. S. Smelting & Refining..n153, n260, n356, n479, n525
Calcine charger uses centrifugal force..*299
United Verde—Efficient cooling tank.....*561
United Verde Extension.....n148, n202, n426, n524
Unity n581
University of Washington—Ninth Mining Institute 111
Upper Watut Gold Alluvials n311
Utah Bunker Hill n33
Utah Central n260
Utah Copper n205, n356, n635
Utah Metal & Tunnel n479
Utah Ophir n153, n306
Utah strike n581

V

Valley Gold n200
Vanadium—Found near Goodsprings, Nev..n582
Vancouver Island Gold n38
Venterspost n315

Ventilation:

How much heat is removed from the mine by the ventilating current? W. S. Weeks 285
Natural ventilation in mines. S. A. Trengove *521
Oxygen deficiency underground. R. S. Moehlman *338
Ventura n476
Ventures n102, n154
Veta n476
Vidette n364, n433, n482, n531
Vindicator n480
Virginia n474, n577
Vivian n578
Vulture n32, n476
Vulture-Queen n205

W

Walker n149, n200, n524, n630
Wandering Jew n153
Wasatch Gold n424
Waste—Self-dumping barges for waste disposal *450
Waterman & Johnson n32
Wayside n155, n530
Wearne n365
Weaver Minerals n365
Webb n577
Webb City-Orongo n310
Webb City Zinc & Lead n581
Weepah n429, n630
Nevada—Gold mining at Weepah. T. H. Oxnam *300
Welding—Hard facing more serviceable than ever *568
Wellington Alluvials n585
Wesko n312, n433, n531, n636
Wesselton n210
West Springs n484
West Witwatersrand Areas n534
Western—Modernizing an old mine. J. B. Huttl *250
Western Reefs Exploration & Development n40, n586
Wheal Reeth Tin n262
White Caps Extension n205
Whitehall n629
Whitmore n200
Wide Awake n425
Wilbur n207
Wild Rose n309
Williams Bar Dredging n474
Wiluna Gold n208, n533, n638
Windpass Gold n*312
Witwatersrand n210, n484, n534
Celebrating golden jubilee of the discovery of the gold fields *523
Fifty years of gold production e326
New gold deposits n423
Tax scheme n262
Wonder n205
Woodville-Justice n582

X

X-ray analysis of mine dusts 347

Y

Yankee Girl n312, n531
Yarnell n109
Yellow Aster n108
Yellowdine Gold n41, n481, n638
Yerba Buena tunnel driven using mining technique. G. J. Young *140
Ymir Consolidated n38, n*102, n103, n312
Youanmi n481
Young-Davidson n261
Yuba Consolidated Goldfields.n425, n525, n576

Z

Zacatecas—Carnegie Bote reopens its gold silver mine. A. H. Hubbell 188
Zarda Alluvial Tin n100
Zeibright n425

Zinc:

American Zinc Institute finds outlook for industry promising n252
Chart of world production 67
Mining in Mexico today. A. H. Hubbell. pt. 1 *119; pt. 2 *178; pt. 3.....*235
Parral's output. A. H. Hubbell.....*127
Production of zinc in 1935. Norman Hickman 59
San Francisco Mines of Mexico treats complex ores. G. O. Deshler *397
Smelting of zinc by the New Jersey Zinc Co. E. H. Bunce.....*599
World production for Sept. and Oct...n633
Zinc Corp n263
Zuma n479

e editorial; n news; c comment and criticism

INDEX TO AUTHORS

Ashley, J. H.: Mining sulphide ore at Fresnillo *279

Barber, Ray J.: Scott River lifts itself for hydraulic mining *171
Bay, Helmuth: Emergency kit for air travel c318
Benitez, Alberto Terrones: Mining and the government in Mexico *242
Blanchard, Floyd M.: Gold dredging in West Africa *175
Boutwell, Hall: Has anybody seen "blackie"? c487
Bratter, Herbert M.: Silver in 1935..... 55
Bunce, E. H.: Advance in zinc smelting..*599
Burchard, E. F.: Leopoldo A. Faustino...c213

Campbell, C. M.: Granby in retrospect....*616
Campbell, W. G.: Wire rope transport system unique *391
Chandler, John W.: Electric cap lamps in a California mine.....*613
Chellson, H. C.: From gunpowder to modern dynamite *231
Russian mineral industry set for rapid growth *81
United States mining industry revives.. 73
Clevenger, Galen H.: Problems in the recovery of precious metals *87
Collins, Glenville A.: Washing gravel underground at Lucky John.....*513
Colvocoresses, George M.: Inferences drawn from report of National Resources Committee c589
Nickel and the United States c45
Cox, A. B.: "Bubble machine for flotation testing" c641
Crowley, Arthur J.: Behavior of minerals associated with superheated steam... *27

Dauth, Herman L.: Mining and geology..*381
del Giudice, Guido, R. M.: Bubble machine for flotation testing *291
Del Mar, Algernon: Flotation of gold ores c113
DeMille, John B.: Canadian production breaks all records 75
Deshler, George O.: Ores treated are complex *397
Dougherty, E. Y.: Essential criteria in examining gold-quartz mines..... c44
Dowsett, C. W.: Caustic starch improves settlement of slime c161
Dudley, H. G.: Engineering practice well organized *414

Elsing, Morris: What is the cost of mine development? 245
Evans, A. F.: "Largest in the world"....c369

Fahrenwald, A. W.: Some fundamentals of rock milling *142
Fahrenwald, A. W., Joseph Newton & P. L. McManus: Pulp density factor in floating gold ores *552
Fairmaid, G. H.: Large diesel plant at G.M.B. mine c161
Filho, F. A. Fonseca: Gold in Parana....*497
Friend, Williams: Circuit riders of the desert *193

Harrison, A. Royden & K. E. Mackay: Mining practice at Nkana, pt. 2..... *17
Head, R. E.: Mounting flotation products for the microscope *336

Hess, Frank L.: Lithium in North Carolina *339
Hickman, Norman: Zinc production in 1935 59
Hill, James T.: Turbo-compressor solves power and mine-air problems for Fresnillo *447
Hubbell, A. H.: Little Long Lac gold area *571
Mining in Mexico today, pt. 1 *119; pt. 2 *178; pt. 3 *235
Mining south of the Rio Grande..... *69
Pamour-Porcupine: new Ontario gold producer *504
Sudbury stepping up production.....*453
Hutti, J. B.: Comstock still produces....*465
Gold and molybdenum—from rehabilitated mines in Mammoth, Ariz. *286
Modernization revives an old Grass Valley mine *145
Novel washing plant *495
Renewed mining interest at Oatman...*250
Tybo improves its metallurgy.....*619

Ingalls, W. R.: Copper production in 1935 57
Irvin, Donald F.: Itogen filtration costs..c161

Jones, Paul L.: Testing placer ground in a unique way 337

Keeler, Ralph: Itogon filtration costs....c369
Itogon—Philippine gold producer.....*3
Koster, J. & S. M. Shelton: Electrolytic manganese *510
for the sulphide ore assay 503

Landow, Joseph M.: Budgetary control for gold mining companies 14
Lawrie, H. N.: Gold production in 1935.. 54
Lundquist, R. V.: To determine the niter

Mackay, K. E. & A. R. Harrison: Mining pracice at Nkana, pt. 2..... *17
Martin, Gail: Old mine rewards new investment *555
Mashburn, W. E.: Electric power distribution *411
McBride, R. S.: Mineral policy planning meets obstacles *143
McBride, Wilbert G.: Mining practice moves toward greater efficiency..... *85
McManus, P. L., A. W. Fahrenwald & Joseph Newton: Pulp density factor in floating gold ores *552
Merritt, R. S.: Building it with aluminum*195
Moehlman, Robert S.: Oxygen deficiency underground *338
Meyer, Andrew & Edith Meyer: Metalliferous Altai of Soviet Russia *275; pt. 2 *348; pt. 3 *468; pt. 4 .....*515
Meyer, Edith & Andrew Meyer: Metalliferous Altai of Soviet Russia *275; pt. 2 *348; pt. 3 *468; pt. 4 .....*515
Moore, L. C.: Belt conveyors adopted for open-pit transport *138
Gasoline-driven washing plant *194

Newman, William A.: Points on hydraulic mining *10
Newsom, J. B.: Shaft boring inexpensive and safe *443
Newton, Joseph, A. W. Fahrenwald & P. L. McManus: Pulp density factor in floating gold ores *552

Norman, T. E.: Autogenous smelting of copper concentrates 499; pt. 2..... 562

Overton, L. C.: Mechanical operations centralized *408
Oxnam, T. H.: Weepah gold *300

Pawel, G. W.: Nickel and the United States c213

Rangel, R.: Employees well safeguarded*420
Read, Thomas T.: Our first mining graduate c369
Roberts, Reed E.: Drilling the round....*295
pt. 2 *345; pt. 3 *462; pt. 4 *508
Romanowitz, Charles M.: Digging ladder bucket idler *49

St. Clair, Stuart: Lithium in North Carolina c486
Schmitt, Harrison: On mapping underground geology *557
Scott, E. Baliol: Tin production in 1935.. 60
Semple, C. Carleton: Peru's gold-mining industry grows.....*609
Shelton, S. M. & J. Koster: Electrolytic manganese *510
Snelgrove, A. K.: Aerial survey of Blow-Me-Down area in Newfoundland..... *8
Spence, Neville S.: Investigation of gold loss in roasting arsenopyrite concrete.*343
Stanley, Robert C.: Nickel production in 1935 61
Stewart, John S.: Inquiry into converter capacity *224

Taft, H. H.: Magnesite in Dona Anna County, N. M. *137
Taggart, Arthur F.: Flotation applied to non-metallics *90
Tait, Peter G.: Gold production of Australia highest in 15 years..... 78
Tolonen, F. J.: Heavy fluid separation... *91
Tonry, Charles E.: New mill at Cripple Creek *547
Trengove, S. A.: Natural ventilation in mines *521
Tzach, Samuel: Secondary copper—book review 370

Walker, George L.: Africa's metal production increasing *79
How abandoned mines look after 500 years *190
Wartenweiler, Otto: New mill of the Golden Queen *327
Weaver, Lamar: Mine pumps and their selection pt 1.....*621
Weeks, Walter S.: How much heat is removed from the mine by the ventilating current? 285
Weir, J. A.: Solving the strike and pitch of intersecting formations by a formula *12
Wiegand, W. E.: Labor relations covered by collective contract *417
Wood, C. A.: Tin concentration in Siam..c161
Wormser, F. E.: Lead production in 1935 58

Young, George J.: Edward M. Hamilton, an appreciation 160
Mining technique used in driving the Yerba Buena tunnel *140

Zentner, Arthur: Electrometallurgy forges ahead *93